

Testing of S.A.I. Hockey reliability test in adolescent players

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Abstract: Descriptive study was conducted to check the reliability of S.A.I. Hockey skill test among adolescent male hockey players aged from eleven to fourteen (11-14) years from Ranjit hockey Academy, Amritsar and three domains were checked. The results were found to highly significant with correlation among each variable. Thus, it can be concluded that S.A.I. Hockey skill test is a reliable indicator.

Keywords: Hockey; adolescent players; reliability test

Introduction

Sport is a physical activity that is fair, competitive, non deviant and that is guided by rules, organization, and/or tradition. The history of the game of hockey has its roots well laid in the world's early civilizations. One of the old known sports, the game is believed to be in existence about 1200 years before the ancient games of Olympia. Right from Arabs, Greeks, Romans, Persians to Ethiopians, everyone played a variation of the game. While some played it just for recreation, the others were of the opinion that hockey would make them better warriors. Even though many ancient civilizations played hockey in different variations, the modern game of hockey, and the field hockey, developed in 19th century. The hockey was introduced in India by British Army Regiment and the game soon found to be favour among the native Indians. Spreading internationally, the popularity of the game was especially effervescent in India and Pakistan. Talking about hockey in India, the first hockey club came up in Calcutta in 1885-86 and soon Bombay and Punjab followed.

The history of field skill testing back to 1929 when number of test developed an empirical skill test for field hockey. This test is based on observation/experience only. The statistical hockey valid test was first established in 1940 and S.A.I. Hockey test established in 1922.

The testing of physical fitness enables the tester to select the potential probable for specific professions or sports categories at a young age so as to give advanced professional training to the promising individuals having higher pre-training basic level of physical fitness for the sport for which the selection is being made.

In this research work it is proposed to check the reliability of the S.A.I Hockey test among male players in age group of eleven to fourteen (11-14)

years to observe the skill in hockey game among subjects.

Methods

Sampling-The objective of the study was to assess the Reliability of S.A.I Hockey Test of Ranjit Hockey Academy male players by using the random sampling technique. A sample of thirty male players was selected for the study in age group of eleven to fourteen years. In order to accomplish the objectives of the study, descriptive study has been designed in which test retest method was adopted. Reliability of S.A.I Hockey Test used consisted of the following sub domains;

1. Shooting in the Target (Goal), (define the Accuracy).
2. Balancing the ball on the sticks (define the attention towards the ball).
3. Moving with the ball (define the speed against time)

The data was collected through test and retest. The purpose of study was briefly explained to subjects. Test after retest applied on same sample. The subject is asked to fit all the 10 balls into the target one by one. Shooting in the target, gives relation with accuracy of every candidate. Balancing shows the attention towards the ball, and moving with ball shows the speed of player. The number of accurate hits, maintaining the ball balance for the longest duration, subject moving forward with the moment of the ball with the blade and stopping as soon as the ball and subject cross the finish line were evaluated with the help of S.A.I. prescribed.

Results

The relationship of the above mentioned variables was thus tested through the S.A.I Hockey Test. The results are interpreted in the following table to show the correlation among the three domains.

Table : Relationship of three variables of S.A.I. Hockey reliability test and retest

Sr.No	Variables	Coefficient of Correlation (r)	P value
1.	Shooting in the target	1.000*	<0.01
2.	Balancing the ball on the sticks	1.000*	<0.01
3.	Moving with the ball	1.000*	<0.01

Significant level of confidence= $r=0.01$

The examination of table indicated that all the three domains were significantly correlated to each other as obtained value of correlation coefficient of these variables were greater than tabulated value (.99) required for the correlation to be statistically significant at 0.01 level of confidence.

Figure 1:

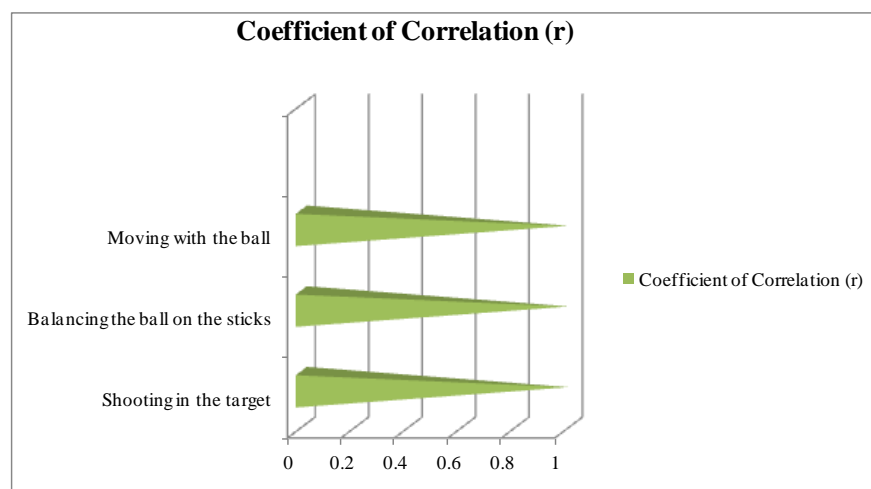


Figure 1 explains the correlation values for three domains, shooting in the target, balancing the ball on the sticks, moving with the ball.

Discussion

The study was conducted in the premises of the university have indicated that the S.A.I. Hockey Skill test and retest have been found to be reliable in our subjects. Results found were highly significant as shown in table 1 and figure 1. So it is

recommended from the study that S.A.I. Hockey Skill test is a reliable indicator.

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